

FIG. 1

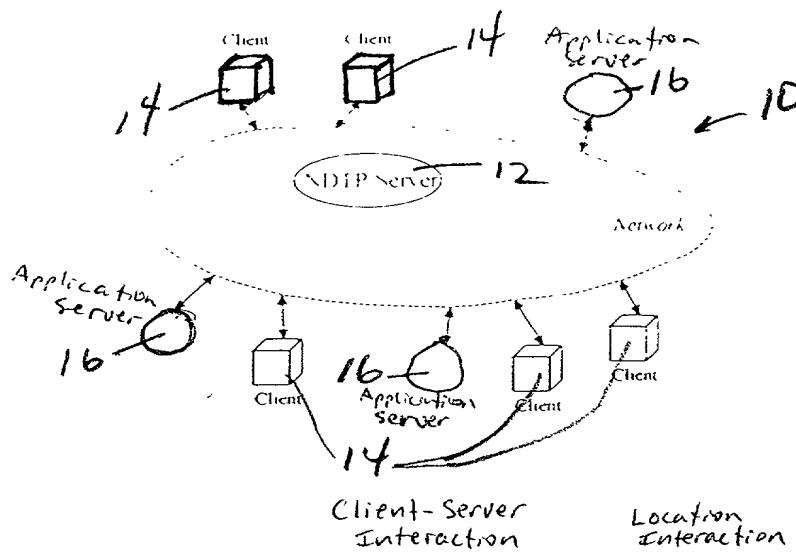


FIG. 2

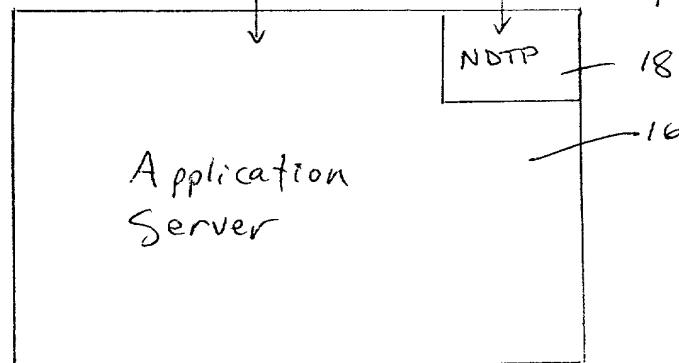


FIG. 3

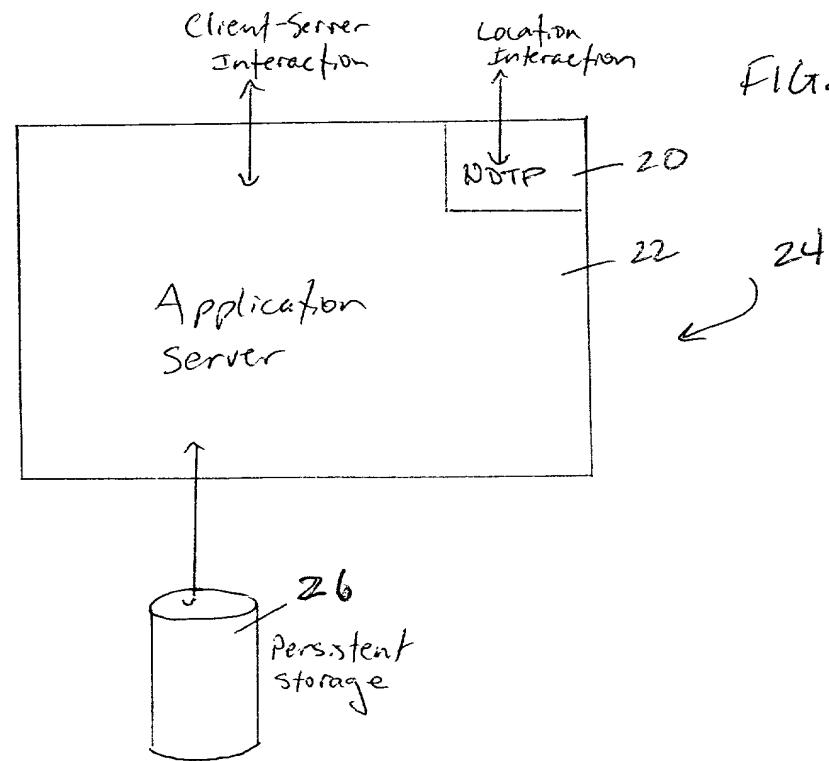


FIG. 4

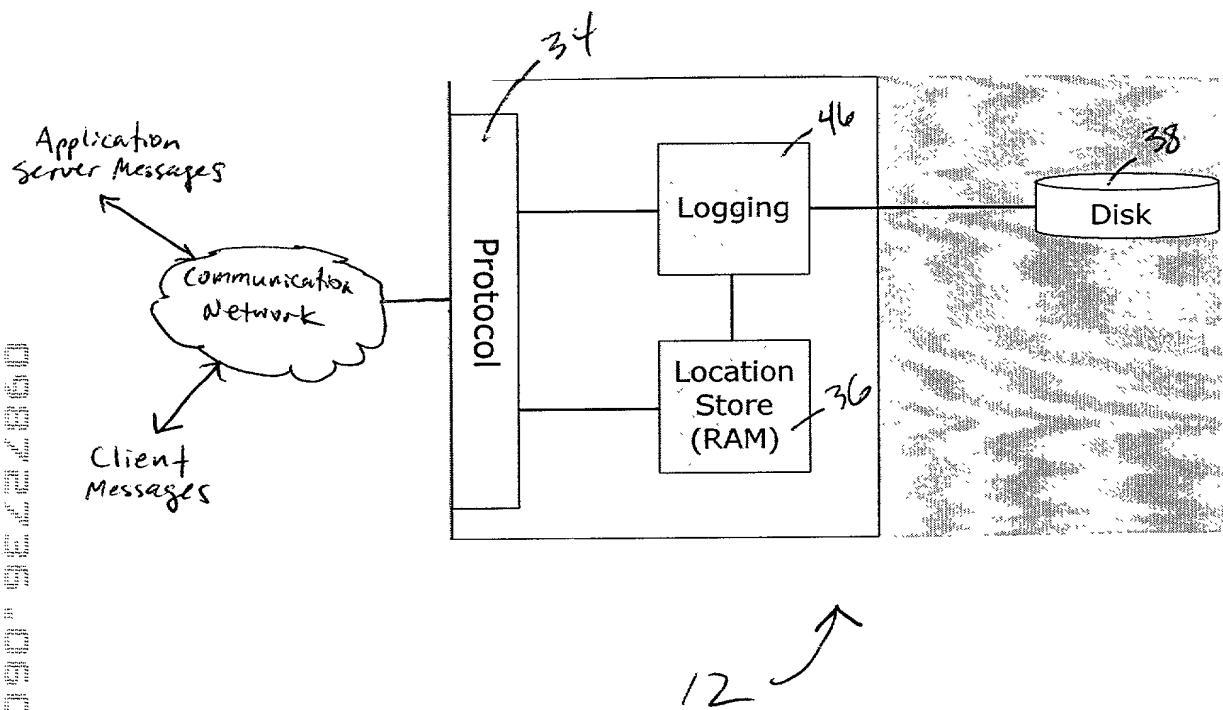


FIG. 5

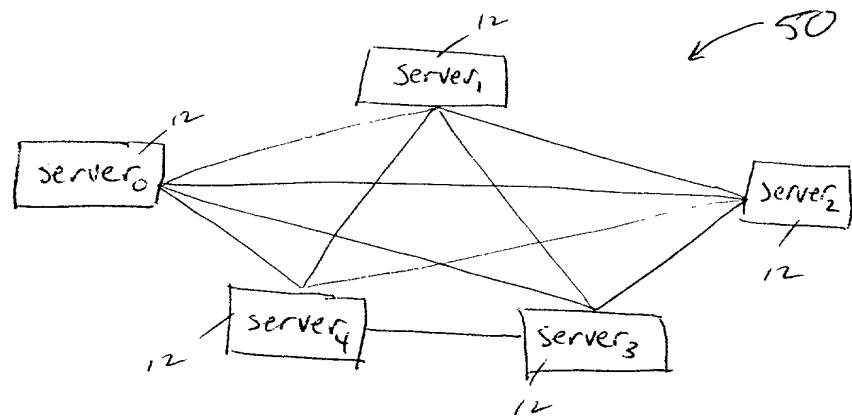
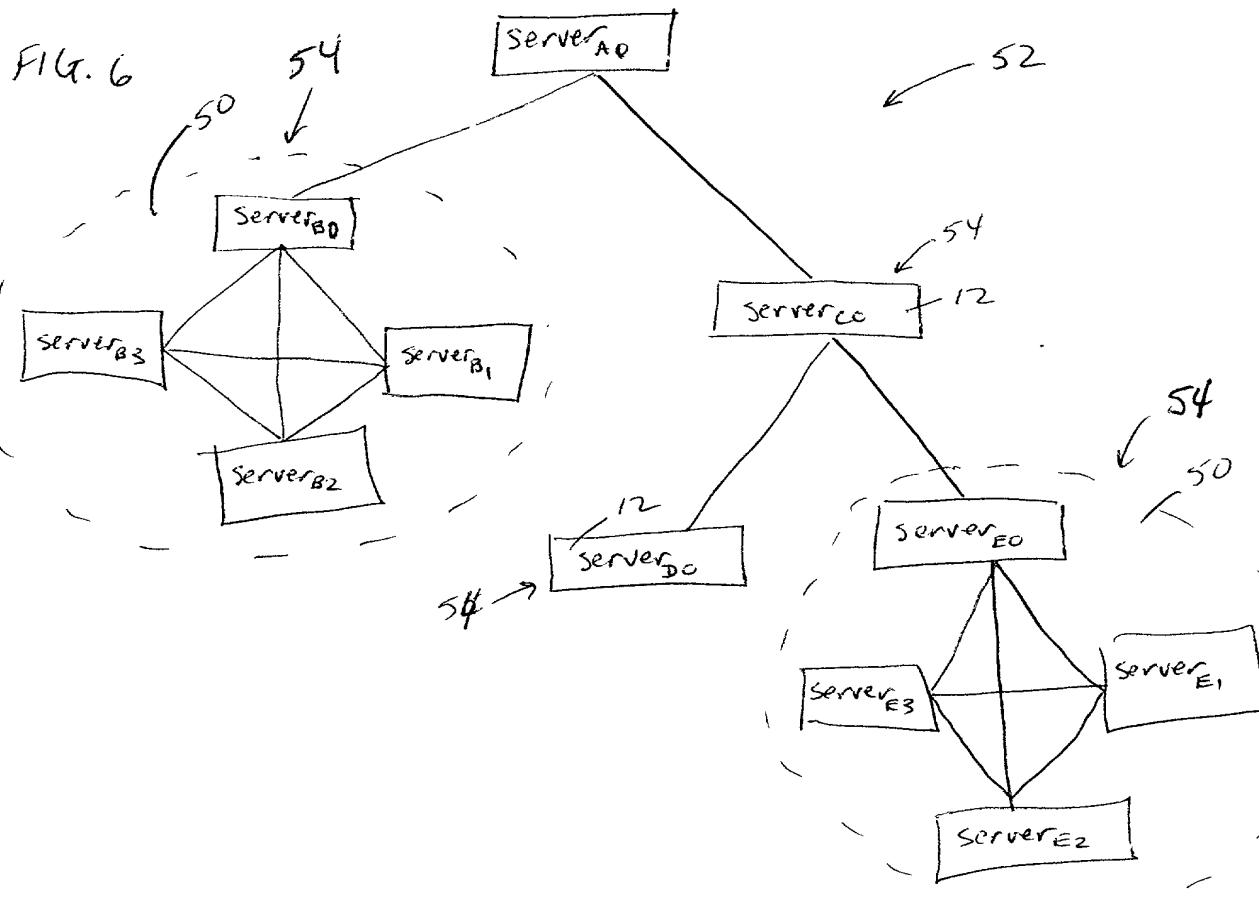


FIG. 6



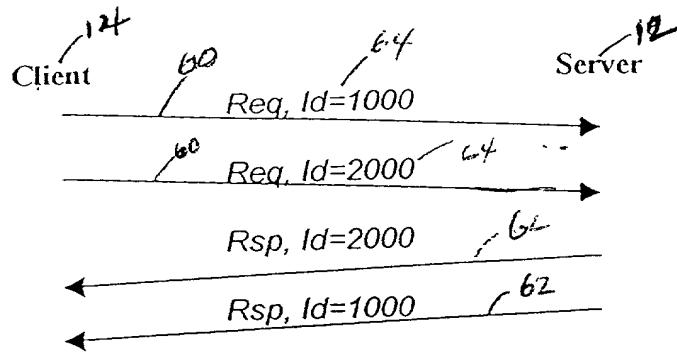


FIG. 7 - Use Of Request Identifiers

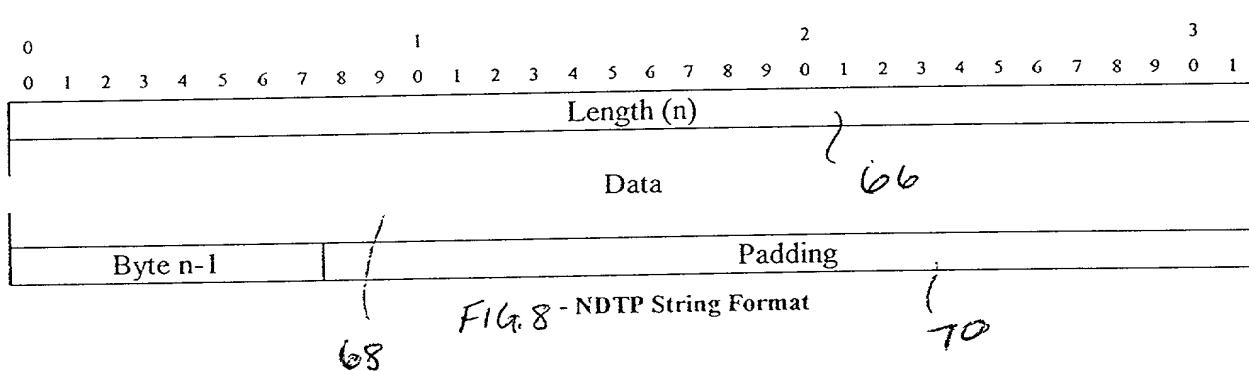


FIG. 8 - NDTP String Format

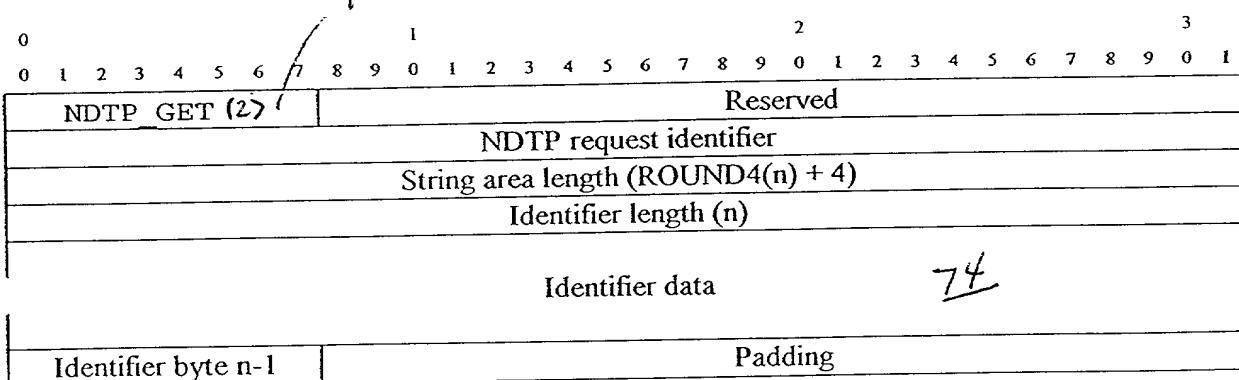


FIG. 9 - NDTP\_GET Format

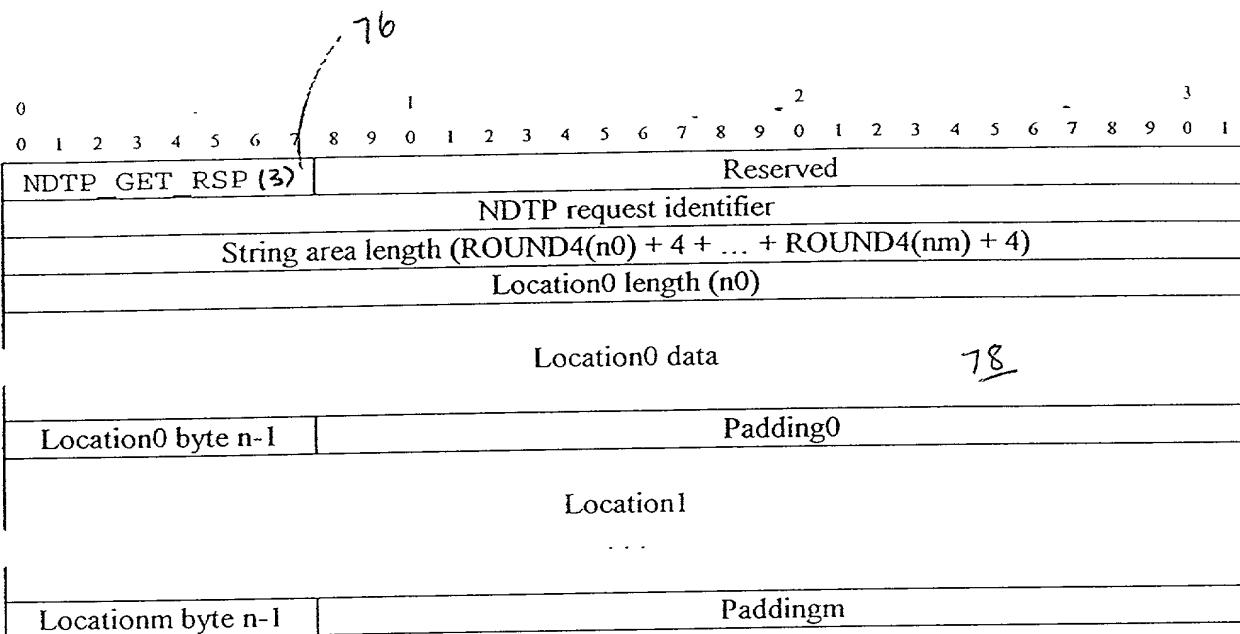


FIG. 10 - NDTP\_GET\_RSP Format

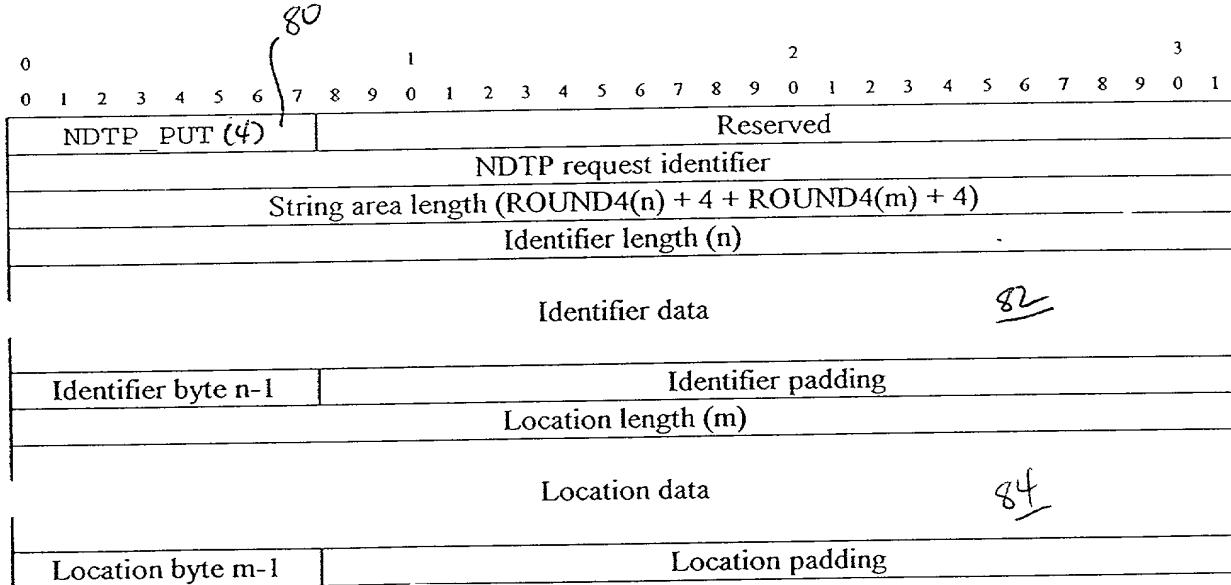


FIG. 11 - NDTP\_PUT Format

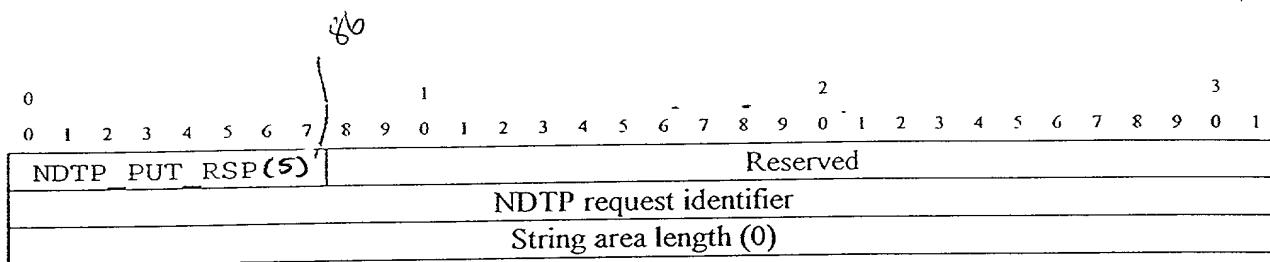


FIG. 12 NDTP\_PUT\_RSP Format

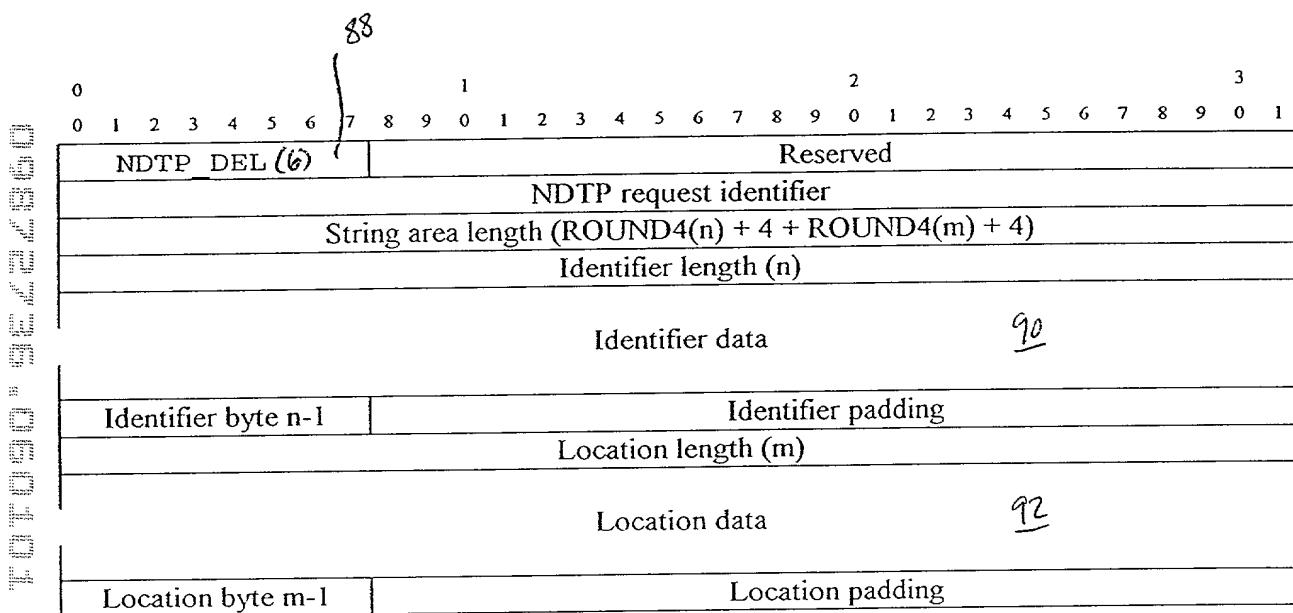


FIG. 13 NDTP\_DEL Format

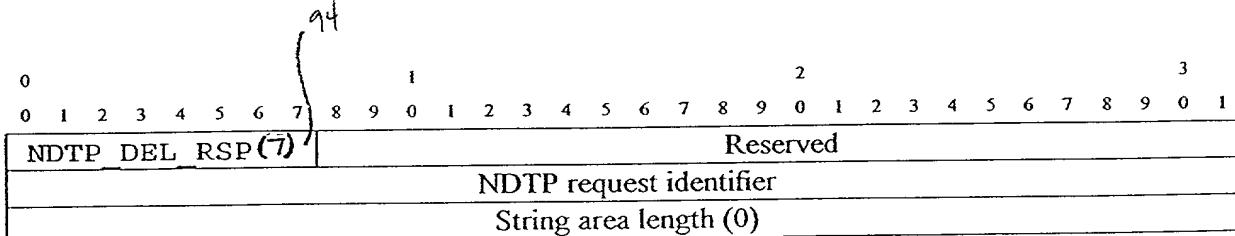


FIG. 14 NDTP\_DEL\_RSP Format

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0 1 2 3 4 5 6	7	8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
NDTP_UPD (9)		Reserved
NDTP request identifier		93
String area length (ROUND4(o) + 4 ROUND4(n) + 4 + ROUND4(m) + 4)		
Identifier length-(m)		
Identifier data		96
Identifier byte m-1		Identifier padding
Location length (n)		
Location data		97
Location byte n-1		Location padding
Identifier length(o)		
Location data		98
Location byte o-1		Location padding

FIG. 15 - NDTP\_UPD Format

100

99

0 1 2 3 4 5 6	7	8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
NDTP_UPD_RSP (10)		Reserved
NDTP request identifier		
String area length (0)		

FIG. 16 - NDTP\_UPD\_RSP Format

Fig. 17(a)

0	1	2	3
0	1	2	3
4	5	6	7
8	9	0	1
2	3	4	5
6	7	8	9
0	1	2	3
4	5	6	7
8	9	0	1
2	3	4	5
6	7	8	9
0	1	2	3

NDTP RDR RSP (8) | Reserved

NDTP request identifier

Hash list length (ROUND4( $n_0$ ) + 4 + ... + ROUND4( $n_m$ ) + 4)

Replication set list 0 length (ROUND4( $n_0$ ) + 4 + ... + ROUND4( $n_m$ ) + 4)

NDTP Server URL0 length ( $n_0$ )

NDTP Server URL0 data

URL0 byte  $n_0-1$  | Padding0

NDTP Server URL1

...

URL $m$  byte  $n_m-1$  | Padding

Replication set list 1 length (ROUND4( $n_0$ ) + 4 + ... + ROUND4( $n_m$ ) + 4)

Replication set list 1 data

...

Replication set list  $m$  byte  $n_m-1$  | Padding

Fig. 17(b)

103

0	1	2	3
0	1	2	3
1	2	3	4
6	8	9	0
5	0	1	2
4	2	3	4
3	5	6	7
2	7	8	9
1	0	1	2
0	2	3	4
1	5	6	7
2	8	9	0
3	1	2	3

NDTP RDR RSF (8) | Reserved

NDTP request identifier

String area length (ROUND4( $n$ ) + 4)

Serialized NDTPRedirectFunction length ( $n$ )

Serialized NDTPRedirectFunction data

Function byte  $n-1$  | Padding

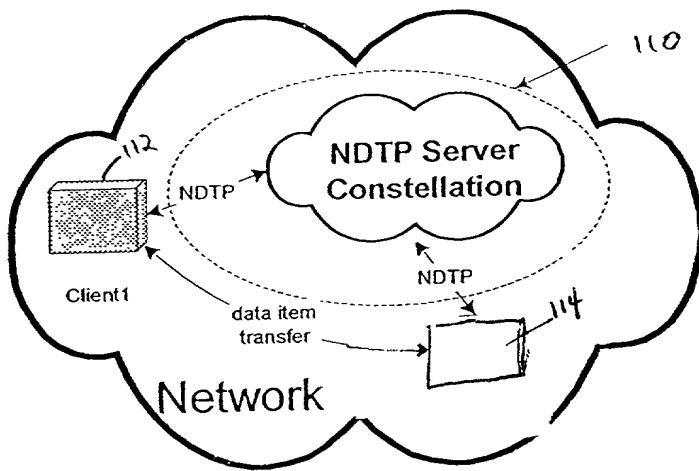


FIG. 18

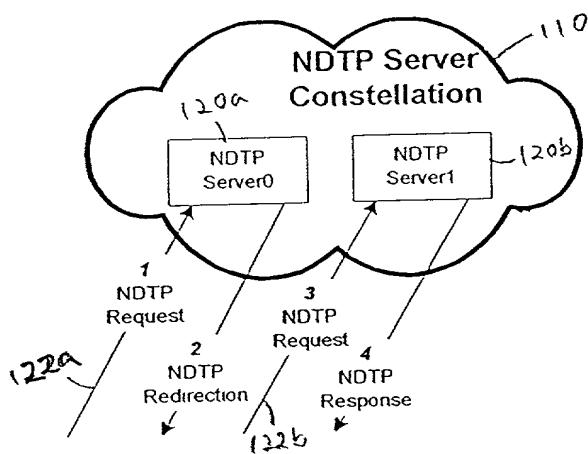


FIG. 19

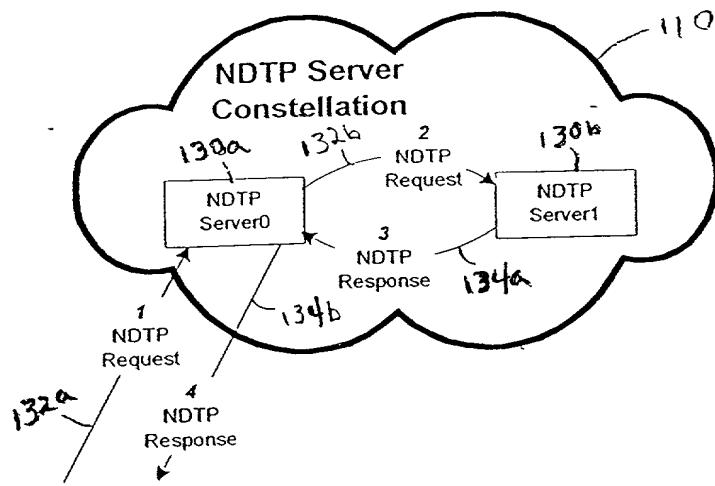
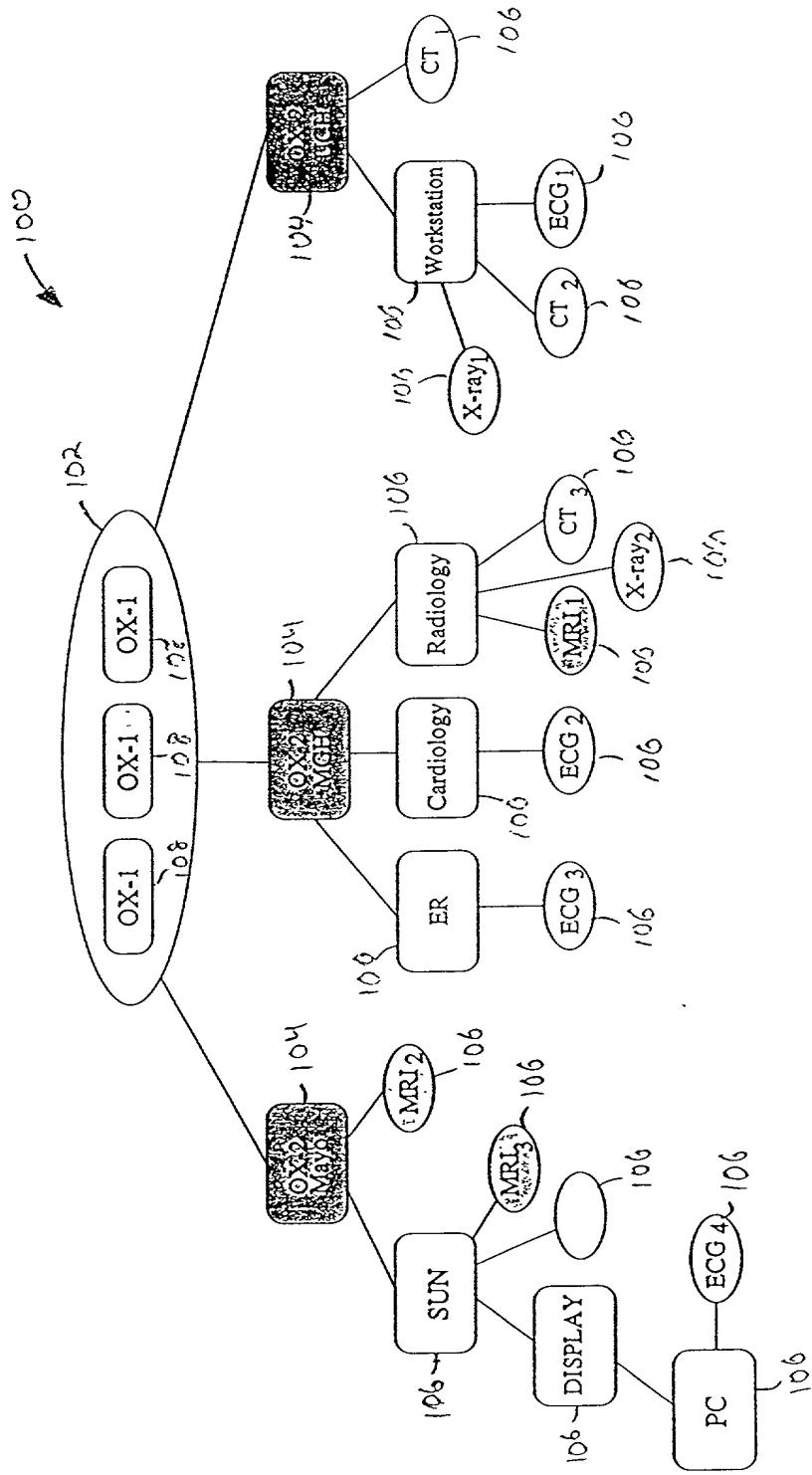


FIG. 20

Fig. 21

Network Distributed Tracking  
Distributed Record Retrieval



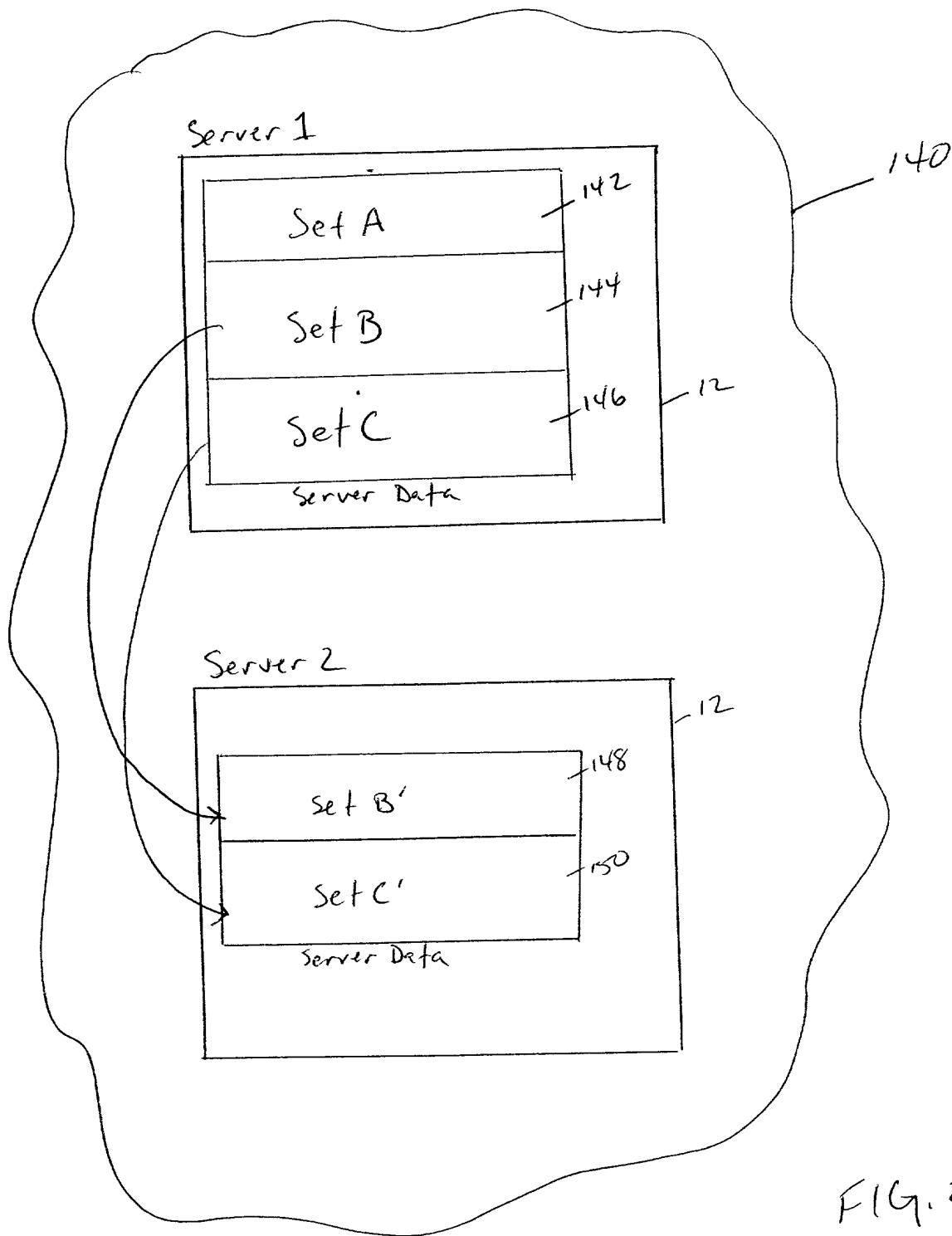


FIG. 22

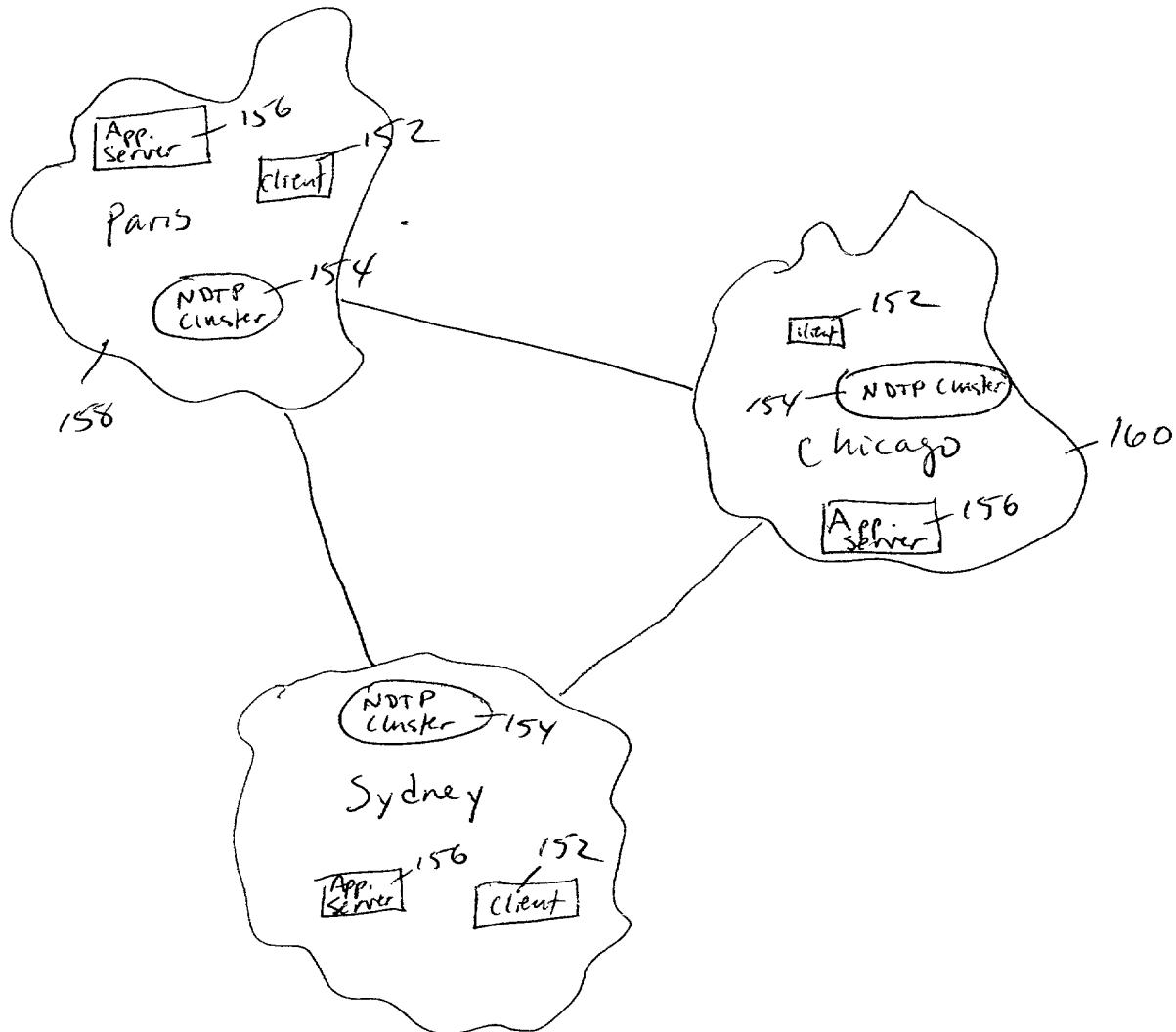


FIG. 23

FIG. 24

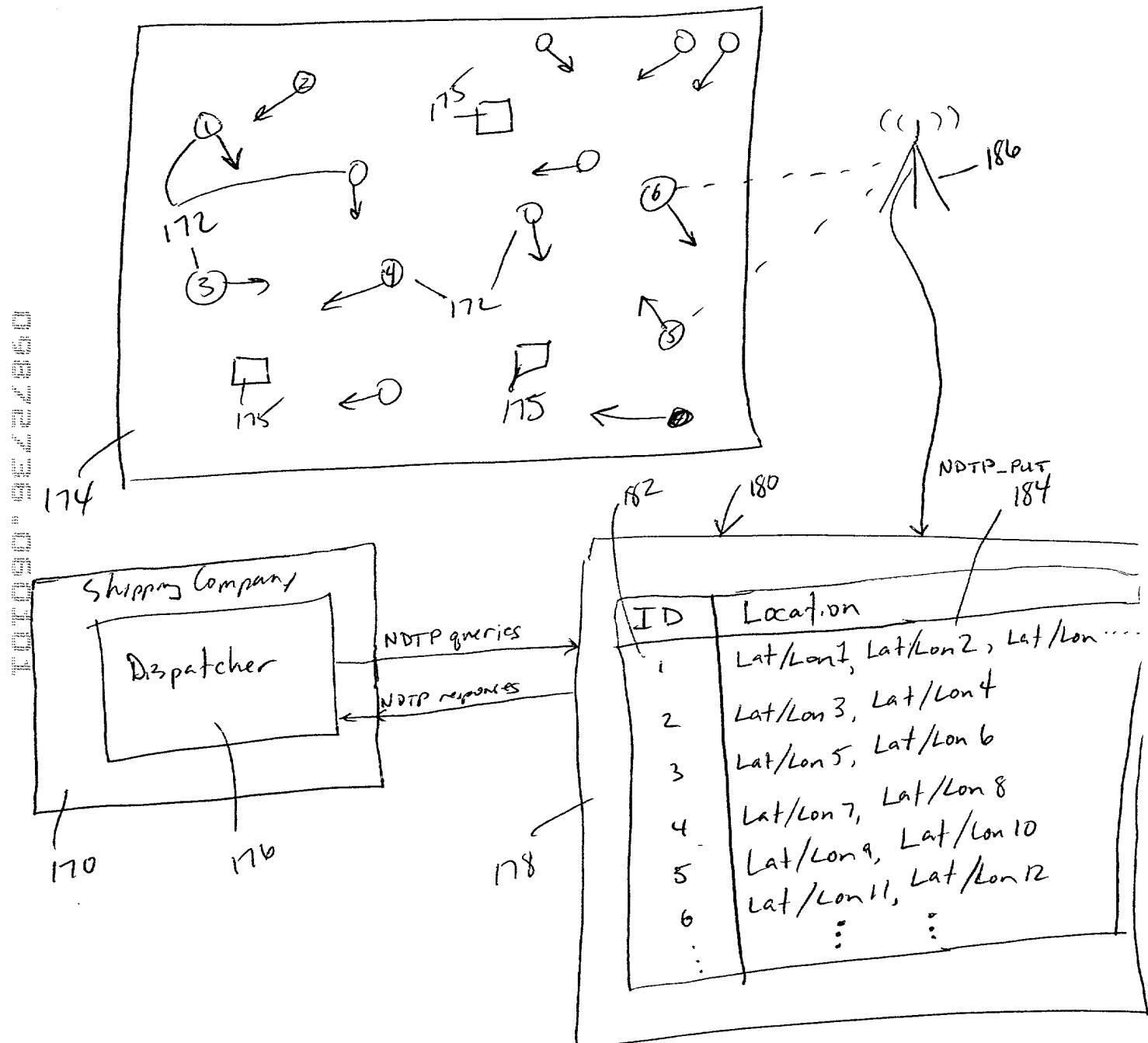


FIG. 25

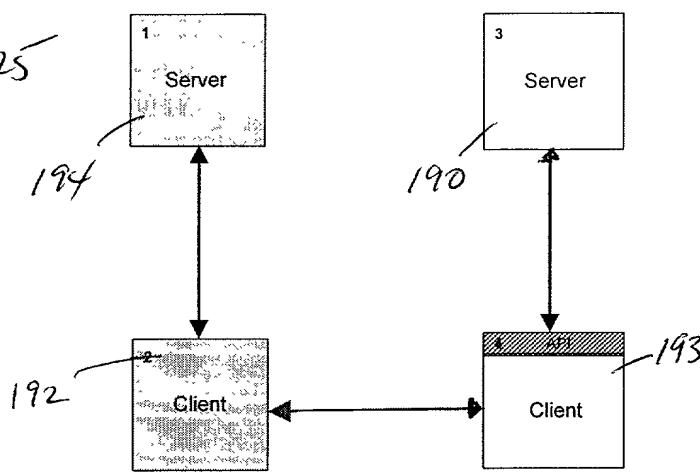


FIG. 26

Diagram illustrating a database table structure. The table has two columns: 'identifier' and 'location'. The 'identifier' column contains Alice and Bill. The 'location' column contains PDA:1, Cell:1, Computer:0 for Alice, and Cell:0, PDA:1 for Bill. There are also three annotations above the table: '195' with an arrow pointing to the 'identifier' column, '196' with an arrow pointing to the 'location' column, and '202 204 200' with an arrow pointing to the 'location' column.

identifier	location
Alice	PDA:1, Cell:1, Computer:0
Bill	Cell:0, PDA:1
.	.